What is claimed is:

1. An image data recording and reproducing system comprising: an image data input unit, an ID generator for generating an ID inserted to image data from said image data input unit; a plurality of image data recorders for recording said image data; and an output unit for outputting said image data recorded into said plurality of image data recorders, wherein each of said plurality of image data recorders has an ID table and an image data storage area, and an ID of said ID table is matched with image data of said image data storage area based on recording position information of said image data.

2. An image data recording and reproducing system according to claim 1, further comprising a load balancer and an output terminal unit connected to said output unit, wherein said load balancer manages the load factor of each of said plurality of image data recorders and image data requirement from said output terminal unit is transfered to any one of said predetermined plurality of image data recorders on the bases of the load factor of each of said plurality of image data recorders.

3. An image data recording and reproducing system according to claim 1, further comprising a sensor information input unit, and a data recording unit for recording sensor information from said sensor information input unit, wherein the ID from said ID

generator is inserted to sensor information from said

sensor information input unit so that said sensor

information with the ID inserted is recorded into said

data recording unit.

5   4. An image data recording and reproducing system

according to claim 1, further comprising an output

terminal unit connected to said image data recorder,

wherein based on a retrieval from said output terminal

unit, said ID table of said image data recorder is

10   referred to reproduce predetermined image data

corresponding to an ID of said ID table matched with

said retrieval.

5. An image data recording and reproducing system

according to claim 1, wherein an integer of 40 bits or

15   more is used for the ID outputted from said ID

generator.

6. An image data recording and reproducing system

according to claim 2, wherein an integer of 40 bits or

more is used for the ID outputted from said ID

20   generator.

7. An image data recording and reproducing system

according to claim 3, wherein an integer of 40 bits or

more is used for the ID outputted from said ID

generator.

25   8. An image data recording and reproducing system

according to claim 1, further comprising an image data

generation unit, wherein said ID generator generating

the ID inserted to image data from said image data

generation unit is integrated with said image data generation unit.

9. An image data recording and reproducing system according to claim 3, wherein the ID inserted to image data from said image data input unit and the ID inserted to sensor information from said sensor information input unit are an ID from a shared ID generator.

10. An ID generator for generating an ID inserted to image data from an image data generation unit, comprising; an ID generation unit for generating an ID of a successive integer, said ID matching with recording position information of image data recorded in a plurality of image data recorders, and an output unit for outputting said ID matched with image data from said image data generation unit.

11. An ID generator according to claim 10, wherein said image data generation unit is a camera, and said ID generator is integrated with said camera.

12. A recording and reproducing method for image data comprising the steps of: generating a plurality of image data, and adding an identifyable ID to each of said plurality of image data, wherein when recording said image data with said ID added into a plurality of image data recorders, each of said plurality of image data recorders has an ID table and an image data storage area, an ID of said ID table and image data of said image data storage area are stored corresponding

40

to recording position information of said image data, and predetermined image data is reproduced from image data recorded into said plurality of image data recorders based on said ID to command for a video

5   replay.

13. A recording and reproducing method according to claim 12, further comprising the steps of: in the case of said command for a video replay, detecting the load factor of each of said plurality of image data

10   recorders, and transferring said command for a video replay to any one of said plurality of image data recorders based on the load factor of said plurality of image data recorders.

14. A recording and reproducing method according to

15   claim 12, further comprising the steps of: obtaining sensor information related to said image data, inserting said ID to said detected sensor information, and recording sensor information with said ID into said image data recorders.

20